INFORMATION DISCLOSURE CITATION

| Atty. Docket No. | 04739.0081 | Serial No. | Not Yet Assigned |
|------------------|------------------|------------|------------------|
| Applicants | Morio OBA et al. | | |
| Filing Date | March 31, 2004 | Group: | Not Yet Assigned |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------------|------------|------|-------|--------------|----------------------------|
| Examiner Initial* | Document Number | Issue Date | Name | Class | Sub Class | Filing Date If Appropriate |
| | | | | | · | |
| | | | | | | |
| | | | | | | |

| | Document Number | Publication Date | Country | Class | Sub Class | Translatio Yes or No |
|----|--------------------|------------------|---------------------|---------------|--------------|-------------------------|
| SA | 9-36238 | 2/7/97 | JAPAN · | | | ABSTRACT |
| A | 11-45353 | 2/16/99 | JAPAN | | | ABSTRACT |
| | OTHER DOCUME | NTS (Including / | Author, Title, Date | , Pertinent F | Pages, Etc | ÷.) |

| Examiner | Sade | Date Considered 9/17/07 |
|-------------|------|--|
| *Examiner: | | , whether or not citation is in conformance with MPEP 609; draw line ormance and not considered. Include copy of this form with next |
| Form PTO 14 | 149 | Patent and Trademark Office - U.S. Department of Commerce |

| IDS | Fam | PTO/SB/08: | Substitute | ior tom | 1449A/P11 |
|-----|-----|------------|------------|---------|-----------|

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| | : (000 00 many one | 310 00 11000000.77 | |
|-------|--------------------|--------------------|--|
| Sheet | 1 | of | |
| | | | |

Complete if Known

| | • |
|----------------------|------------------|
| Application Number | 10/812,935 |
| Filing Date | March 31, 2004 |
| First Named Inventor | Morio OBA et al. |
| Art Unit | 1742 |
| | |

Examiner Name Not Assigned 04739.0081 Attorney Docket Number

| | OIPE |
|--------|--------------|
| 7 — | MAR 1 5 2007 |
| | Manual |
| | |

| | U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS | | | | | | | | |
|------------|---|--|--------------------------------------|---|---|--|--|--|--|
| Examiner | | Document Number | Issue or Publication Date MM-DD-YYYY | Name of Patentee or | Pages, Columns, Lines, Where | | | | |
| Initials N | No.1 | Number-Kind Code ² (if known) | | Applicant of Cited Document | Relevant Passages or Relevant Figures Appear | | | | |
| | | US- | | | | | | | |
| | | US- | | | | | | | |
| | | US- | | | | | | | |
| | | US- | | | | | | | |
| | | US- | | | | | | | |
| | | US- | | · · · = · · · · · · · · · · · · · · · · | | | | | |
| | | US- | | | | | | | |
| | | US- | | · · · · · · · · · · · · · · · · · · · | | | | | |
| | | US- | | | | | | | |
| | | US- | | | | | | | |
| | | US- | | | | | | | |

| | FOREIGN PATENT DOCUMENTS | | | | | | | |
|----------------------|--------------------------|--|--------------------------------|--|--|-------------|--|--|
| Examiner Initials | Cite No. ¹ | Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Translation | | |
| 4 | | EP 0 642 105 | 03/08/95 | Nishizaka | | | | |
| | | | | | | | | |
| | | | | | | | | |

| | | T |
|--------------|---|--|
| Cite No.¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | Translation |
| | European Search Report dated December 19, 2006 | |
| | ANONYMOUS: "Ashlar-Vellum: Cobalt, Xenon & Argon: DesignerElements-3D Modeling User Guide" Internet Citation [online] January 2003 | |
| | Haixia Du, et al., "Integrating Physics-based Modeling with PDE Solids for Geometric Design," Computer Graphics and Applications, 2001, Proceedings Ninth Pacific Conference (October 16-18, 2001), IEEE, pp. 198-207 | |
| | 100-201 | |
| | Cite No.¹ | No.¹ (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. European Search Report dated December 19, 2006 ANONYMOUS: "Ashlar-Vellum: Cobalt, Xenon & Argon: DesignerElements-3D Modeling User Guide" Internet Citation [online] January 2003 Haixia Du, et al., "Integrating Physics-based Modeling with PDE Solids for Geometric Design," Computer Graphics and Applications, 2001, Proceedings Ninth Pacific Conference (October 16-18, 2001), IEEE, pp. |

| Examiner | C. NU | Date 9401 | |
|-----------|-------|------------|--|
| Signature | Ca pr | Considered | |
| | | | |

| IDS Form PTO/SB/08: Subst | itute for form 1449A/PTO |
|---------------------------|--------------------------|
|---------------------------|--------------------------|

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| | Complete if Known | OIPE |
|------------------------|-------------------|--------------|
| Application Number | 10/812,935 | / |
| Filing Date | March 31, 2004 | DEC 0 8 2001 |
| First Named Inventor | Morio OBA et al. | 12 |
| Art Unit | 1742 | 12 |
| Examiner Name | Not Assigned | TRADBAR |
| Attorney Docket Number | r 04739.0081 | |
| | | |

| | U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS | | | | | | |
|----------|---|--|--------------------------------|-----------------------------|---|--|--|
| Examiner | Cite | Document Number | Issue or | Name of Patentee or | Pages, Columns, Lines, Where | | |
| Initials | Initials No.1 | Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Applicant of Cited Document | Relevant Passages or Relevant Figures Appear | | |
| | - | US- | | | | | |
| | | US- | | | | | |
| - | | US- | | | | | |
| | | US- | | | | | |
| | | US- | | | | | |
| | | US- | · | | | | |
| | | US- | | | | | |
| | - | US- | | | | | |
| | | US- | | | | | |
| | | US- | | | | | |
| | | US- | | | | | |

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-------------|--|--------------------------------|--|--|--------------------------|
| Examiner Initials | Cite No. | Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Translation ⁶ |
| SÞ | | PCT WO 02/31775 | 04/18/02 | Erdem | | |
| | | | | | | |

| NON PATENT LITERATURE DOCUMENTS | | | | |
|---------------------------------|--------------------------|---|--------------------------|--|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | Translation ⁶ | |
| Se | | Borrel, P., et al., "Deformation of n-dimensional objects," Proceedings. Symposium on Solid Modeling Foundations and CAD/CAM Applications, ACM 1991, pp. 351-369, XP002397143 | | |
| Ą. | | McDonnell, K.T., et al., "Dynamic Sculpting and Animation of Free-form Subdivision Solids," Computer Animation 2000. <i>Proceedings May 3-5,2000, IEEE</i> , pp. 126-133, XP010526540 | | |
| | | Partial European Search Report dated September 21, 2006 | | |
| | | | | |
| | | | | |

| Examiner Signature | Sy AL | Date Considered | 9/1/07 |
|-----------------------|-------|--------------------|--------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | Q17 E 3 | გ ∖ | | |
|-----------------------------------|-------------------------|------------|-------------|------------------------|------------------|--|
| IDS Form PTO/SE | W08: Substitute for for | | MAT 2 0 Loo | Co | omplete if Known | |
| | | 13 | h d | Application Number | 10/812,935 | |
| INFO | RMATION D | ນຣຸດເ ດຣຸນ | PARADENAS | Filing Date | March 31, 2004 | |
| OT A | TEMENT BY | ADDLICA | NIT | First Named Inventor | Morio OBA et al. | |
| SIA | I CIVICIA I DI | APPLICA | 14.1 | Art Unit - | 1742 | |
| (Use as many sheets as necessary) | | | | Examiner Name | Not Assigned | |
| Sheet | 1 . | of | 1 | Attorney Docket Number | 04739.0081 | |

| | | U.S. PATENTS | AND PUBLISHE | U.S. PATENT APPLICAT | IONS |
|----------|--------------|--|--------------------------------|-----------------------------|---|
| Examiner | Cite | Document Number | Issue or | Name of Patentee or | Pages, Columns, Lines, Where |
| Initials | Initials No. | Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Applicant of Cited Document | Relevant Passages or Relevant Figures Appear |
| | | US- | | , | |
| - | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | † <u>-</u> -† | | |
| | | US- | | | |
| | | US- | <u> </u> | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|--------------------------|--|--------------------------------|--|--|--------------------------|--|
| Examiner Initials | Cite No. ¹ | Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Translation ⁶ | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|--------------|---|--------------------------|
| Examiner Initials | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | Translation ⁶ |
| (See | | Chinese Office Action dated 03/24/06 | Yes |
| | | "Realization of Mechanical CAD Standardized Database," Mechanics and Electronics, (2000), pp. 28-29 | Abstract |
| | | · · · · · · · · · · · · · · · · · · · | |
| | | | <u> </u> |

| Examiner Signature | Jaj AL | Date Considered 91407 | |
|-----------------------|--------|-----------------------|--|
| | | | |

| ıns. | Form | PTO/SB/08: | Substitute | for form | 1AAGA/DT | r |
|------|------|------------|------------|----------|------------|---|
| เบอ | rom | PIU/SD/US. | Substitute | ior iorm | 1449AVP 11 | L |

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| | Complete if Known OIPE | | | | |
|------------------------|------------------------|--------------|--|--|--|
| Application Number | 10/812,935 / | (2) | | | |
| Filing Date | March 31, 2004 | 2005 | | | |
| First Named Inventor | Morio OBA et al | NON 1 0 JULY | | | |
| Art Unit | 1742 | \$ F | | | |
| Examiner Name | Not Assigned | The same | | | |
| Attorney Docket Number | 04739.0081 | MADEM | | | |

| U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS | | | | | | |
|---|-------------|---------------------|--|--------------------------------|------------------------------|---|
| Examiner Initials | Cite No. | | Issue or | Name of Patentee or | Pages, Columns, Lines, Where | |
| | | No.¹ Number-Kind Co | Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Applicant of Cited Document | Relevant Passages or Relevant Figures Appear |
| | | US-5,806,069 | 09/08/98 | Wakiyama et al. | | |
| | | US-6,223,092 | 04/24/01 | Miyakawa et al. | | |
| | · | US-6,557,002 | 04/29/03 | Fujieda et al. | <u> </u> | |
| | | US-6,725,184 | 04/20/04 | Gadh et al. | | |
| | | US-6,882,893 | 04/19/05 | Uchida et al. | 1 | |
| | | US- | | | | |
| | | US- | | - | | |
| | | US- | | | | |
| | | US- | | | - | |
| | | US- | | | | |
| | | US- | | 1 | | |

| | FOREIGN PATENT DOCUMENTS | | | | | | |
|----------------------|--------------------------|--|--------------------------------|--|--|--------------------------|--|
| Examiner Initials | Cite No.¹ | Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Translation ⁶ | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| | NON PATENT LITERATURE DOCUMENTS | · |
|--------------------------|---|---|
| Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | Translation ⁶ |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | No. (book, magazine, Journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), |

| Examiner Signature | Sig All | Date Considered 9/4/07 |
|-----------------------|---------------------------------------|------------------------|
| | · · · · · · · · · · · · · · · · · · · | |

Sheet

IDS Form PTO/SB/08: Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

1 of

| | Complete if Known | OPE |
|------------------------|-------------------|---------------|
| Application Number | 10/812,935 | / 3 |
| Filing Date | March 31, 2004 | 2005 |
| First Named Inventor | Morio OBA et al. | OCI 04 1007 8 |
| Art Unit | 1742 | 3 |
| Examiner Name | Not Assigned | The state of |
| Attorney Docket Number | r 04379.0081 | CONACTOR |

| U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS | | | | | | | |
|---|--------------------------|---|----------|---------------------------------------|---|--|--|
| Examiner Initials | Cite No. ¹ | Document Number | Issue or | Name of Patentee or | Pages, Columns, Lines, Where | | |
| | | No.¹ Number-Kind Code² (if known) Publication Date MM-DD-YYYY | | Applicant of Cited Document | Relevant Passages or Relevant Figures Appear | | |
| | | US- | | | | | |
| | | US- | | · · · · · · · · · · · · · · · · · · · | • | | |
| | | US | | | | | |
| | | US- | | · · · · · · · · · · · · · · · · · · · | | | |
| | _ | US- | | | | | |
| | _ | US- | | | | | |
| | | US- | | | | | |
| | | US- | | | | | |
| | | US- | | | | | |
| | | US- | | | | | |
| | | US- | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|--------------|--|--------------------------------|--|--|--------------------------|--|
| Examiner Initials | Cite No.¹ | Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Translation ⁶ | |
| SP | | JP 63 82549 ° | 04/13/88 | Sekine | | Abstract | |
| <u> </u> | | JP 2-297673 | 10/12/90 | Kojima | | Abstract | |
| | | JP 5-298396 | 11/12/93 | Kimura | | Abstract | |
| | | JP 9-185647 | 7/15/97 | Nishiyama | | Abstract | |

| NON PATENT LITERATURE DOCUMENTS | | | | |
|---------------------------------|--------------------------|---|--------------------------|--|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | Translation ⁶ | |
| ØÞ. | | Japanese Search Report dated July 19, 2005 | Yes | |
| | | | | |
| | | | | |
| | | | | |

| Examiner | C: NI - | Date | al. | 4 |
|-----------|---|------------|-------|------|
| Signature | ia fu | 1 | 1 414 | 10 (|
| Signature | 112 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | Considered | 1,,, | V ' |